

4 (viii)  $\sqrt{9216}$

$$= \sqrt{2^2 \times 2^2 \times 2^2 \times 2^2 \times 2^2 \times 3^2}$$

$$= 2 \times 2 \times 2 \times 2 \times 2 \times 3$$

$$= 96$$

2	9216
3	3072
2	1024
2	512
2	256
2	128
2	64
2	32
2	16
2	8
2	4
	2

1x  $\sqrt{529}$

$$= \sqrt{23^2}$$

$$= 23$$

23	529
	23

x  $\sqrt{8100}$

$$= \sqrt{2^2 \times 3^2 \times 3^2 \times 5^2}$$

$$= 2 \times 3 \times 3 \times 5$$

$$= 90$$

3	81
3	27
3	9
	3